AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-3. (Cancelled).

4. (Currently amended) A method of producing a plane carbon commutator comprising ~~a plurality of metal segments fixed to a commutator body made of resin, and carbon, said segments and said carbon are integrally fixed to each other, wherein said method comprises~~ the steps of:

burning a carbon base having engaging projections on a first side and an opposite second side at a high temperature;

forming cut-rising pieces projecting inwardly from peripheral edges of engaging holes formed in a metal base;

~~(a)~~ forming peripheral faces of ~~said~~ the engaging projections into coarse faces using the cut-rising pieces by inserting the engaging projections into the engaging holes with pressure sufficient to form the coarse faces on the peripheral faces as the engaging projections are inserted into the engaging holes to integrally form the carbon base and the metal base;

~~when engaging projections formed on said carbon are inserted into engaging holes formed in a metal base which will become said segments in order to integrally form said carbon which was previously burnt at a high temperature and said metal base;~~

~~(b) integrally forming said metal base and said carbon and then,~~ coating the ~~entire~~ exposed ~~face of said~~ portions of the carbon base with mold resin ~~when said engaging projections formed on said carbon are inserted into said engaging holes formed in said metal base~~;

~~(c)~~ cutting ~~said~~ the metal base into ~~each segment~~ a plurality of segments and at the same time, cutting ~~said~~ the carbon base; and

~~(d)~~ removing ~~said~~ the mold resin from a portion of the second side of the carbon base ~~contact face between said carbon and a brush~~.